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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 2557-000169/US

First Inventor MIN-HO KIM

Title METHOD AND CIRCUIT FOR UPDATING A TAP COEFFICIENT
OF A CHANNEL EQUALIZER

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 27]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 3]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Commissioner for Patents
Box Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: _____ / _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

30593

or ☐ Correspondence address below

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Name (Print/Type)

John A. Castellano

Registration No. (Attorney/Agent)

35,094

Signature

Date

January 16, 2004

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13281 U.S. PTO

PTO/SB/17 (10-01)

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**FEE TRANSMITTAL
for FY 2003**


Patent fees are subject to annual revision.

Complete if Known

Application Number	NEW
Filing Date	January 16, 2004
Inventor(s)	MIN-HO KIM, ET AL.
Examiner Name	UNASSIGNED
Group / Art Unit	UNASSIGNED
Attorney Docket No.	2557-000169/US

TOTAL AMOUNT OF PAYMENT (\$) 896.00

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)							
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:				3. ADDITIONAL FEES							
Deposit Account Number: 08-0750				Large Entity Fee (\$)				Small Entity Fee (\$)	Fee Description	Fee Paid	
Deposit Account Name: Harness, Dickey & Pierce, P.L.C.				1051 130				2051 65	Surcharge - late filing fee or oath		
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17				1052 50				2052 25	Surcharge - late provisional filing fee or cover sheet.		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				1053 1053				1053 130	Non-English specification		
2. <input checked="" type="checkbox"/> Payment Enclosed:				1812 2,520				1812 2,520	For filing a request for reexamination		
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other				1804 920*				1804 920*	Requesting publication of SIR prior to Examiner action		
FEE CALCULATION				1805 1,840*				1805 1,840*	Requesting publication of SIR after Examiner action		
1. BASIC FILING FEE				1251 110				2251 55	Extension for reply within first month		
Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description	Fee Paid	1252 420	2252 210	Extension for reply within second month			
1001	770	2001	385	Utility filing fee	770	1253 950	2253 475	Extension for reply within third month			
1002	340	2002	170	Design filing fee		1254 1,480	2254 740	Extension for reply within fourth month			
1003	530	2003	265	Plant filing fee		1255 2,010	2255 1,005	Extension for reply within fifth month			
1004	770	2004	385	Reissue filing fee		1401 330	2401 165	Notice of Appeal			
1005	160	2005	80	Provisional filing fee		1402 330	2402 165	Filing a brief in support of an appeal			
SUBTOTAL (1)				(\$770)				1403 290	2403 145	Request for oral hearing	
2. EXTRA CLAIM FEES				1451 1,510				1451 1,510	Petition to institute a public use proceeding		
Total Claims	17	-20 **	= 0	Extra Claims	Fee from below	1452 110	2452 55	Petition to revive - unavoidable			
Independent Claims	4	-3 **	= 1	X	18	1453 1,330	2453 665	Petition to revive - unintentional			
Multiple Dependent				X	86	1501 1,330	2501 665	Utility issue fee (or reissue)			
						1502 480	2502 240	Design issue fee			
Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description	Fee Paid	1503 640	2503 320	Plant issue fee			
1202	18	2202	9	Claims in excess of 20		1460 130	1460 130	Petitions to the Commissioner			
1201	86	2201	43	Independent claims in excess of 3		1807 50	1807 50	Processing fee under 37 CFR 1.17 (q)			
1203	290	2203	145	Multiple dependent claim, if not paid		1806 180	1806 180	Submission of Information Disclosure Stmt			
1204	86	2204	43	** Reissue independent claims over original patent		8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40		
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent		1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))			
SUBTOTAL (2)				(\$86)				1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))	
**or number previously paid, if greater; For Reissues, see above				Other fee (specify) _____				1801 770	2801 385	Request for Continued Examination (RCE)	
				*Reduced by Basic Filing Fee Paid				1802 900	1802 900	Request for expedited examination of a design application	
				SUBTOTAL (3)				(\$40)			

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	John A. Castellano	Registration No. Attorney/Agent	35,094	Telephone	703-668-8000
Signature		Date	January 16, 2004		

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